

METALS, MINING & CEMENT CYBERSECURITY

Keep the furnaces hot.

Industrial security, remote operations protection, SOC and ERP and supply chain assessment for metals, mining and cement.

Three questions every producer should be able to answer

If ERP and dispatch went dark tonight, could trucks leave tomorrow?

Mapping what dispatch, weighbridges and permits depend on, and testing backups, decides whether ransomware is a bad day or a bad quarter.

Who can reach our DCS, fleet and remote operations from outside?

OEM, MDO and contractor links are the most common unmonitored paths into plant and mine control networks.

Could anyone alter weights, permits or emissions data unnoticed?

Dispatch and compliance data need integrity controls, logging and analytics, not just access control.

2nd

Largest steel and cement producer

NOK 600 m

Norsk Hydro's 2019 ransomware cost, first half

May 2025

Nucor halted production

6 hours

Incident reporting to CERT-In

Built for every producer

Coal, iron ore, bauxite and mineral mining groups · steel producers and integrated plants · aluminium, zinc and copper smelters · foundries and secondary producers · cement manufacturers · captive power and logistics units within them.

The rules that drive your security calendar

Instrument	Key cybersecurity expectations
CERT-In Directions · audit guidelines (2022, 2025)	6-hour reporting, 180-day logs; independent audits incl. OT
NCIIPC · SEBI LODR · DPDP	Protected systems; quarterly disclosure (listed); personal data
Sector statutes and export rules	MMDR, OSH Code and DGMS; state e-permits; EU CBAM; IEC 62443

Industrial security, remote operations, ERP, supply chain, SOC and resilience

Industrial Security

OT inventory, DCS, PLC, furnace, kiln and mill assessments mapped to IEC 62443.

Remote Operations Protection

Remote-ops centre, fleet, dispatch and site link security; brokered vendor access.

ERP & Dispatch Security

ERP, weighbridge, e-permit, e-auction and portal testing; change controls.

Supply Chain Assessment

MDO, contractor, transporter and port integration assessments and clauses.

24/7 IT/OT SOC

Plant, mine and site monitoring, dispatch analytics, 6-hour reporting support.

Ransomware Resilience

Dependency mapping, immutable backups, safe-stop playbooks, exercises.

Choose your starting point

Foundation

IT and plant assessment, backup and dispatch recovery review, vendor remote access review, policy and lender evidence pack. For single plants, foundries and mid-sized mines.

Assurance

IEC 62443 assessment and segmentation, ERP, dispatch and portal testing, annual audit, IT/OT SOC. For multi-site producers and mining groups.

Continuous Resilience

Continuous OT testing and red teaming, contractor and logistics risk programme, SOC with hunting, Board, SEBI and NCIIIPC reporting. For integrated groups, exporters and PSUs.

Why Codec Networks

CERT-In empanelled

for information security auditing services, and empanelled with NISCI for application audit services.

Certified

ISO 9001:2015, ISO/IEC 27001:2022 and ISO/IEC 20000-1:2018.

Regulation-mapped

Every finding mapped to IEC 62443, ISO/IEC 27001, CERT-In and NCIIIPC expectations and your lenders' and buyers' requirements.

One connected partner

Testing, audits, SOC, forensics and privacy linked from finding to closure.

Book a scoping session

Share your plants, mines, control systems, contractors and customers. We will propose a practical, production-aware assessment and assurance plan.

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Regulatory references reflect public instruments as of October 2026; applicability depends on each entity's licence, category and activities. Services support risk reduction and assurance and do not guarantee prevention of all incidents or regulatory compliance. Sources: Ministry of Steel, Economic Survey 2025-26, Hydro quarterly reporting (2019), Nucor Form 8-K (May 2025), CERT-In. Confirm obligations against the official instruments.